MY Homework

Homework Helper

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Estimate 88 × 65. Tell whether the estimate is _greater than_ or _less than_ the actual product.

1 Round each factor to the nearest ten.

$$88 \longrightarrow 90$$
$$\times\ 65 \longrightarrow \times\ 70$$

88 rounds to 90.
65 rounds to 70.

2 Multiply.

$$
\begin{array}{r}
90 \\
\times\ 70 \\
\hline
6{,}300
\end{array}
$$

0 ones × 90 = 0
7 tens × 90 = 630 tens

The estimate for 88 × 65 is 6,300.

Since both factors were rounded up, the estimate is greater than the actual product.

Practice

Estimate.

1. 37 × 22 = _____ × _____ = _____

2. 87 × 41 = _____ × _____ = _____

3. 49 × 16 = _____ × _____ = _____

4. 25 × 12 = _____ × _____ = _____

Problem Solving

Estimate. Tell whether the estimate is *greater than* or *less than* the actual product.

5. **Mathematical PRACTICE** **4** **Model Math** A concert ticket costs $23. About how much will tickets cost for a group of 22 people?

_____

6. There are 32 times students can work in the computer lab during one week. If 24 students can work in the computer lab at one time, about how many students can work in the computer lab during one week?

_____

Brain Builders

Algebra **Write an equation to solve.**

7. Ramona creates 16 paintings each month. About how many paintings will she create in 3 years? Explain your reasoning.

_____ × _____ = _____ paintings

_____

_____

8. Michael averages 12 points in each basketball game. His team plays 2 games each week. About how many points will he score in 12 weeks? Explain your reasoning.

_____ × _____ = _____ points

_____

_____

9. **Test Practice** Theater tickets cost $48 per person. About how much money would tickets for 35 people cost?

Ⓐ $2,000   Ⓒ $1,200

Ⓑ $1,500   Ⓓ $200